The Society of Broadcast Engineers has announced the winners of its 2008-09 National Awards. Winners will be recognized at the Society’s National Awards Dinner on October 7, 2009 in Verona, N.Y. The event is part of the annual SBE National Meeting, which is being held in conjunction with the Chapter 22 Regional Broadcast and Technology Expo in Verona, N.Y. held at the Turning Stone Resort and Casino.

The winner of the SBE Broadcast Engineer of the Year Award is Craig Strom. Strom has been a member of SBE since 1998.

Strom was nominated for this prestigious award for the work he has done regarding how to mitigate 2,110-2,120 MHz Advanced Wireless Services (AWS)-into-TV BAS interference. Strom is the Assistant Director of Engineering WLS-TV in Chicago, and has been with the station since 2000. Strom has served as the Chicago area Above-1 GHz BAS frequency coordinator since 1996. He is well known for his report dated December 26, 2008, T-Mobile AWS Filter Implementation Progress Report. The report documents the custom filter designed by Commercial Microwave Technologies (CMT) for T-Mobile, a major Advanced Wireless Services (AWS) operator, does not degrade digital electronic news gathering (ENG) signals, even when high-level digital modulation is used. Strom has also actively participated in 2 GHz TV BAS issues, including ET Docket 95-18, ET Docket 2008-09 National Awards Announced
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The Society of Broadcast Engineers will broadcast its third annual SBE National Webcast to members, guests and others interested in the Society on Wednesday, October 7 from 2:00 pm to 3:00 pm EDT. This will be the first time that the program will be aired during the SBE National Meeting and it will emanate from the Turning Stone Resort and Casino Events Center arena, location of the Chapter 22 Broadcast & Technology Expo floor. This will also be the first time that the program will be broadcast during U.S. daytime hours.

Chapter 22 is providing or arranging for much of the technical organization necessary to produce the program. The broadcast will utilize a remote truck and several remote cameras. Live remotes will be done from the trade show floor.

SBE members are encouraged to reserve this one hour time slot so that you can tune in and participate. Arrangements are being made to accommodate questions from viewers. The program will also be recorded and posted for later viewing on the SBE website.

Details about how to access the Webcast will be announced approximately on September 8. Sponsors are needed to cover the costs of the program. Companies interested should contact John Poray, (317) 846-9000 or jporay@sbe.org, at the SBE National Office for details.

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During a recent conversation, I heard a statement that every chapter chairperson has faced. The objection says something like this: “My company does not allow me to communicate with other engineering departments. Interaction with others in the engineering community [meaning competitor stations] is forbidden.”

I think this is a way of dodging the question and pointing a finger at “the man” as an excuse for not participating. It defers personal responsibility for a choice. Most of us don’t want to be seen in a negative light so if there’s a convenient excuse we tend to use it.

But what if the limitation is actually true? Your boss has actually forbidden you to participate in SBE activities. Really? Would you really be fired for speaking to an engineer from another station? Do you believe your employer has the right to restrict who you interact with in your personal time? Can your employer forbid you to participate in a city council meeting or Scout troop? What if your competitor was a member of one of these groups? Your employer has no more right to demand such a requirement that to require you to attend a certain religious service.

I’ve heard this claim justified by saying that SBE meetings are used for job hunting. Is forbidding an engineer from participating in SBE meetings really keeping that engineer in his employ? Most broadcast employees are “at will” employees, meaning that the employer can terminate or the employee can leave at any time. At-will employment can allow employers great flexibility to fire an individual for a multitude of reasons, and fraternization with competitors may be one of many established criteria to simplify firing someone. If SBE participation is just the reason the employer has latched on to, your problem is not SBE; it’s something much bigger.

If your participation is restricted, you should know if it is based on a written policy that applies across the board. Is it perhaps addressed only to you? If the policy is consistently applied then again, you should consider how the company can reasonably restrict your personal time. If, however, a policy is being selectively enforced the problem is likely not industry participation but something more personal.

Of course you need to choose your battles. Please know the SBE cannot advise you on how to resolve any individual human resources problem. That would be more like the role of a trade union, and the SBE is NOT a trade union. First; we’re not a trade, we’re a profession. Second, the SBE is not a trade group but a professional association created for the benefit of its members. These are important distinctions that relate to our own careers and how the Society exists to support us all.

Perception and reality

What is your employer’s perception of you – particularly with respect to the Society? Are you a cooperative, team-player who clearly has the company’s and your manager’s interest at heart, or a grumpy curmudgeon waxing on about the good old days under an SBE mantle?

Does your manager perceive the Society as something that adds value to you or detracts value and time from your job? Do you continually look to align your priorities with that of your manager? Can the managers count on you to think in competitive terms and protect the value of their products? Can you be trusted to act on the manager’s behalf? If the answers to any of these questions is no; SBE participation is a symptom of a problem, not the problem itself.

Over the years, I’ve spoken to several engineers who have been told by their manager not to participate in the Society. It is almost always followed by an indictment of the manager making the requirement: the manager lacks skills, and has a limited scope, suspicious nature or general nasty demeanor. I can hear the very reason this engineer is discouraged from public discussion. As the engineer talks about the manager, I am witnessing backbiting, complaints and company disloyalty. Is it any wonder that the manager doesn’t trust the employee? Is it any wonder that the manager doesn’t want people communicating if that’s the way he is being characterized? This is a small industry. What you say gets around very quickly. It does not matter if what you say is true. In that one exchange, the member has just validated the very reason a non-participation restriction was put in place.

Many employers understand the benefits of encouraging participation with professional groups. If you enjoy this situation, appreciate and treasure that good will. These employers are becoming a rare and beautiful thing. Demonstrate how SBE participation gives your employer value that other companies and stations do not have. Employers, manag-
ers, even engineering managers need to be repeatedly reminded that because of the SBE you are better connected, have access to better education and knowledge resources than non-SBE engineers; and that your work with SBE gives them an advantage.

One of my many reasons for participating in the SBE is that it makes me more valuable to my employer. I’m more connected, better informed, and better educated than my non-member counterparts. I have access, through the Society, to a network of professionals that can help me solve any problem. I have lost count how many times I have been made aware of an issue…even one in which I had no background but, after reaching out to my SBE colleagues, I gathered a very quick and amazingly complete understanding and could advise my bosses as a result.

My career is not my employer’s purpose nor their responsibility. It is my purpose and the Society is a key way for me to develop that. My participation in the Society is not dependent upon my employers’ support. It also means that I am the only one who can allow my employer to infringe upon it. There’s a responsibility that comes with that freedom. A responsibility that I will constantly strive to bring the value of SBE Membership to benefit the people who employ me. That is the least I can to in return for their support.

I put a great deal of importance on investing in my career and my industry. I have chosen to do this through the singular organization pledged to supporting broadcast engineering. All of my employers have been able to see how my participation has brought value to them. How can any employer object to something that the employee does, on his or her own, that increases his or her value to the employer?

had a few goals in mind when I ran for the SBE Board of Directors last year. One of those goals was to bring more broadcast information technology (I.T.) professionals into the SBE.

We have all seen the role of traditional broadcast engineers and broadcast I.T. personnel melding together. In many of our stations, the engineer is the I.T. person. In those locations where engineering and I.T. are separate disciplines, we find these two departments working closely together. Broadcast engineers and I.T. people have similar jobs. We both act as a “service department” at our facilities and we both use the same type of critical thinking and problem solving to diagnose and resolve problems.

The SBE Board has been studying the most effective way to attract our I.T. people to our membership. We have already discussed this amongst Board members, and now we’d like your input. I know that there are quite a number of you who are involved in the I.T. side of your operation. Here’s a way you can help. We will be holding an I.T. focus group for one hour during the SBE National Meeting on the morning of October 7th in Verona, N.Y. The National Meeting is being held in conjunction with the Chapter 22 Broadcast & Technology Expo at the Turning Stone Resort and Casino. We are looking for seven to ten broadcast station I.T. people (non-members or members) to participate. The focus group will be discussing what services and benefits I.T. people would like to see that would draw them to SBE membership.

If you or someone you work with have I.T. responsibilities and would be interested in participating in the focus group, please send an e-mail to SBE Executive Director, John Poray, jporay@sbe.org, and let him know. He will give you the details of the focus group meeting. Each participant in the focus group will be the SBE’s guest for lunch that day and be able to take part in the Broadcast & Technology Expo.
realized recently while reading an issue of Radio World that I had been around the broadcast industry quite a long time. I was reading about State Registration of broadcast engineers, something I hadn’t seen much about in the trade press for some time. It is, though, an issue that keeps coming up periodically, almost cyclically, and within an association like SBE, if you are around long enough, almost all issues come around again sooner or later. It is to me a fascinating topic because, unusually in legal matters, State registration statutes vary from State to State, and so does the level of enforcement of the statutes. So, every once in a while, SBE is asked to participate in regulatory proceedings in which a broadcast engineer is told that he or she can’t call himself or herself an engineer, or worse, that the person can’t do what he or she does for a living without a P.E. registration. We have been involved in dozens of such cases (with notable success and no notable defeats) since the early 1980s. SBE participated actively and successfully in appellate litigation on the issue in Illinois in 1998, in a very interesting case.

I have upset more than a few P.E.’s over time as a result of advocating SBE’s position on State registration. Quite a few years ago, a very competent P.E. consulting engineer who I considered a good friend sent me a letter (as it turned out, the last one he ever wrote to me) in response to a piece I had written in some publication defending a broadcast engineer’s right to practice broadcast engineering without passing a P.E. exam and becoming registered in the State. He told me that, the next time I was traveling to (his State) and needed brain surgery, I should go to a person who was not a licensed M.D. and see what kind of result I got. My friend’s point, though more than a bit overstated, was an arguable one: perhaps a person should not be called a “consulting engineer” without being a registered P.E. in the State in which they practice. Longstanding SBE policy does not necessarily conflict with this. But State registration statutes aren’t limited to regulating consulting engineers. The statutes are much broader than that, and, though they vary widely, they typically prohibit a person who considers himself or herself to be a “broadcast engineer” from utilizing that title, or worse.

There are two basic types of state statutes regulating the practice of “engineering”. One type of statute says, in essence, that you can do what you want to professionally, but if you call yourself an engineer, you must have P.E. registration. The other is far more insidious: it says that you can’t do certain things that constitute the practice of engineering - regardless of what you call yourself - if you aren’t a registered P.E. in that State. It is my contention that this latter type of statute potentially is unconstitutional for several reasons, because it unreasonably restricts interstate commerce, and because many of the descriptions of what constitutes the practice of engineering are overly broad and vague. Pure legalities aside, many engineers tell me that in their experience there is not a telecommunications element to the P.E. exam anyway, so what they do at broadcast stations is not enhanced by virtue of having demonstrated qualifications to become registered as a P.E. in the state in which their station is located.

Telecommunications Consulting Engineers who represent themselves to the general public as practicing “engineering” (assuming that the term is defined properly) are arguably reasonably subject to state registration statutes. The statutes, after all, are designed to protect the general public from unqualified persons performing various types of professional services (typically, State registration statutes apply to engineers, architects and surveyors). The 10th Amendment to the United States Constitution allows the states to exercise the “police power” jurisdiction that is reserved to them in order to protect the heath, safety and general welfare of the citizens of that State. So, since a telecommunications consulting engineer hangs out a shingle and tells the public “come on in, I am able to help everyone who needs my services”, then the State has an interest in protecting the general public by establishing a minimum performance test for those persons practicing “engineering”. On that theory, a consulting engineer should be a registered P.E. I would feel better about that argument if indeed there was some relevance of the P.E. exam to the type of professional engineering that telecommunications consulting engineers really do. Perhaps by now the exams have incorporated a telecommunications element; I don’t know.

However, let’s talk about broadcast engineers for a moment. By this term, I mean employees of broadcast station licensees, or contract engineers who work exclusively for licensees of broadcast stations. These are not people who hold themselves out to the general public as practicing engineering (or in the vernacular of some State statutes, “professional engineering” which we will get to in a minute). Rather, their work is exclusively on instrumentalities of interstate commerce, which are regulated exclusively by the Federal government. Sure enough, the FCC has never itself licensed engineers. It has, however, always regulated all of the technical aspects of radio communications and has broad powers in that connection. The states have no concurrent jurisdiction. The FCC, pursuant to international treaty, Federal statutes, and its own regulations, has and is required to license and determine the capabilities of operators of transmitting equipment under its jurisdiction. In two places in the Communications Act, the FCC is charged with the responsibility to determine the qualifications of station operators, to classify them according to the duties performed, to fix the forms for such operators, and to issue them to those who are found qualified by the FCC. Section 318 of the Act says that the actual operation of all transmitting apparatus in any radio station for which a station license is required shall be carried on by a person holding an operator’s license issued by the FCC.

FCC’S deregulation of broadcast licensing over the years was not an invitation to the states to regulate the practice of broadcast
engineering. It is the FCC’s job to do that, by whatever means it finds necessary. This, combined with the complete and exclusive authority of the FCC over technical aspects of communications provides a most compelling argument for Federal preemption of state regulation of those who perform technical functions at licensed, or FCC controlled, radio facilities. Arguably, this would include those who prepare FCC applications for filing with the agency.

The FCC’s order eliminating the First Class Radiotelephone License years ago indicates that the FCC agrees with the argument above. FCC said in the order in Docket 20817:

There were a number of miscellaneous comments to the effect that a non-licensing regime would have other drawbacks. For example, APCO was concerned that, in the absence of Federal licensing, a hodge-podge of non-uniform state licensing requirements would be implemented. However, radio communications, since its inception, and by its very nature has always extended across state lines. The states have never concerned themselves with radio operator licensing. APCO gave no indication that the individual states might be inclined to begin any form of radio related regulation.

While the FCC’s cavalier dismissal of APCO’s concern wasn’t entirely justified (as evidenced by the periodic cases of attempted regulation by the States of broadcast engineers over the past 25 years), it is true that, when challenged, state regulators have (generally speaking) not been willing to test the state registration statutes against broadcast engineers. SBE has been successful in numerous states in causing enforcement cases to be terminated. The typical scenario is where (most often based on a complaint from a P.E.) a broadcast engineer who is not a registered P.E. in that State has used that term to describe himself or herself and who has been issued a cease and desist order by a state registration board. Most enforcement cases (and most State registration statutes) are based on the use of the term “engineer” rather than an effort to regulate the function of a broadcast engineer. Even the regulation of the term, however, is a matter that affects broadcast engineers’ careers and is a major problem. Often, a consulting engineer located in one of these “title” type states (or the District of Columbia, as an example) who is not a registered P.E. will use the title “technical consultant” to avoid the statutory restriction entirely (a “rose by any other name…”).

However, in SBE’s view, even if a broadcast engineer is not a registered P.E., he or she should be able to use the term “broadcast engineer” or similar.

If the States want to regulate what one calls himself or herself, how far does that go? If I hold a bachelor’s degree in electrical engineering, isn’t it reasonable that I should be able to call myself an engineer? If not, why not? If I am an SBE-certified broadcast engineer (in one of the categories of SBE certification that incorporates the term “broadcast engineer”), shouldn’t I be able to use that term in describing my profession? SBE certification is the standard in the broadcast industry evidencing competence in broadcast engineering. The P.E. registration examination, frankly, is not. An analogy is my own profession, communications law. I am a lawyer by trade, and I call myself a lawyer. I can’t practice law without a license (I can practice communications law before the FCC, however, by virtue of being licensed to practice law in any State or in the District of Columbia, even if my office is in a State in which I am not licensed to practice law). But I can call myself a lawyer even if I don’t practice law per se.

In 1998, SBE, together with Novell, Inc., challenged (on behalf of its members) a cease and desist order of the Department of Professional Regulation of the State of Illinois claiming that Novell’s trademarked “Certified NetWare Engineer” program constituted the practice of “professional engineering” in violation of the registration statute. The Court of Appeals of Illinois held that the use of the term “engineer” by itself was not misleading and was not subject to regulation by Illinois, because it did not denote the practice of “professional engineering” which was defined in Illinois in a way that did not include software (or broadcast) engineering. Instead, the term applied to large scale public operations. SBE argued in its brief, and the Court ultimately agreed, that “other states have recognized the commonsense notion that professional registration statutes, like the Illinois act, are designed to prohibit only unlicensed practice of the types of vocational activities which have far-reaching effects on the public’s well-being. They have allowed use of the generic term “engineer” in business contexts in which no professional engineering occurs if the use of the term does not reasonably imply state licensure as a professional engineer.” In other cases, it has been uniformly held that a complete restriction on the use of the term “engineer” and “engineering”, without more, would be an overly broad interpretation of a registration statute, far exceeding the intent of the legislature. Based on this interpretation, SBE policy is that a broadcast engineer should be able to use the terms “broadcast engineer” and “broadcast engineering” to describe his or her profession, and may also make reference to the type of SBE certification that he or she holds, which indicates that the person is an engineer with the qualifications indicated.

So, while of course no one should ignore or act contrary to what is on the books in the state in which broadcast engineers work, the State registration statute may or may not be enforceable. In any case, it may not be enforced as a practical matter, due to a very real fear that the registration statute might be invalidated in the broadcast engineering context. There is a thorough, though somewhat dated GAO report on this subject, which may still be available: it is called “Issues Concerning Licensing of Telecommunications Engineers and Technicians”, GAO/RCED-90-106FS, released March 1990. It is a fact sheet for Congressional requesters. SBE contributed to this document and it is a reasonably comprehensive analysis of the subject. SBE will also assemble some of the landmark cases on the subject and make them available to members. In the meantime, if you have a question about this, let us know in an e-mail to SBE headquarters and we will see what we can do to assist you.
The Formula for Certification Success

BY Paul Claxton, CPBE, CBNT Certification Chairman Chapter 131

Obtaining SBE certification isn’t an easy task but it has plenty of rewards for both the engineer and their employer. The SBE was established in 1964 and eleven years later a certification program was created to recognize those engineers who met standards of the profession and showed a measured degree of competence. SBE Chapter 131 in the Inland Empire of California was established in 1999 and quickly earned many SBE Statistical Awards for “Most Certified Chapter, Class B” with a dedicated program to stress the importance of education and certification through funding of the test taking, and assisting the engineer preparing for the test cycle.

Broadcast radio and television is like many industries in that it has seen an almost constant state of change. From tube to transistor, to integrated circuits, to large scale integration and surface mount technology the industry continues to evolve with ever more complex equipments. An engineer who is not continuing to learn and evolve with the equipment may soon find themselves overwhelmed by change and struggling to stay productive.

Chapter 131 stresses the importance of education and provides free of charge classes with curriculums written around the various certifications. Senior engineers have a responsibility to train their juniors and within the chapter we are blessed with a former SBE Educator of the Year to lead that effort. Classes run the experience range from CTO/CRO to Senior Broadcast Engineers. These classes are timed around the SBE’s exam calendar to prepare the engineer in time for each cycle. For the senior engineer certification the instructor will come up with impromptu essay questions to get the students practiced at how to best answer that tough requirement.

Joe Snelson’s February 2004 The Signal article “The (not-so-) daunting essay question” hangs on the chapter’s bulletin board to also assist in preparing for the essay question. Also on the bulletin board are the current exam schedule, blank applications, and a large flow chart displaying the certifications and their requirements.

For those looking to be hired, having a certification doesn’t mean a job is automatic, but having a SBE certification does help and can be the difference between getting an interview and not.

Recognizing the value of certification, companies like Taft Broadcasting of Riverside provide their engineers reimbursement for the cost of the first attempt at a certification and reward successful efforts with a small bonus. Chapter 131 pays for the cost of the certification for both certified radio and television operators.

Getting the word out is also important to creating a climate of successful certification. During each chapter meeting, the certification chairperson is given an opportunity to pass along information from the SBE, make announcements on upcoming certification calendar dates, and answer any questions from members.

SBE Chapter 131, Inland Empire, provides a classroom for members for certification.
**Certified Professional Broadcast Engineers® and Certified Senior Broadcast Engineers® who have maintained SBE certification continuously for 20 years and are current members of SBE may be granted Life Certification if so requested. All certified who have retired from full-time employment may be granted Life Certification if they so request. If the request is approved, the person will continue in his/her current level of certification for life.**

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**JUNE EXAMS**

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Robert Hailey, Tampa, FL – Chapter 39
Luke Howell, Denver, CO – Chapter 48
John Klambauer, Austin, TX – Chapter 79
Robert Loe, Grand Junction, CO – Chapter 81
Michael Liebman, Brooklyn, NY – Chapter 15
Paul Michels, Raleigh, NC – Chapter 93
Farid Nakkabe, Woodsfield, OH – Chapter 15
John Narsu, Union City, NJ – Chapter 15
Jack Roland, Wheat Ridge, CO – Chapter 48
Anamaria Scuric, New York, NY – Chapter 15
William Shaw, Brunswick, OH – Chapter 15
Jimmy Trong, Moline, IL – Chapter 131

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Shewct Yohannes, Washington, DC – Chapter 132

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Bradley Goedl, Houston, TX – Chapter 105
Kirstie Williams, Boise, ID

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Mark Watson, San Antonio, TX – Chapter 69

**CERTIFIED TELEVISION OPERATOR® (CTO®)**

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Robert Colom, Hickilton, NY – Chapter 18
Joel Curtin, Buffalo, NY – Chapter 135
Rober Garcia, Sterling, VA – Chapter 39
Robert Holden, Columbus, OH – Chapter 52
Louis Moliuzone, Oxon Hill, MD – Chapter 37
Alvaro Montealegre, Tampa, FL – Chapter 39
Jon Painter, Clewrotez, FL – Chapter 39
Timothy Parish, Sacramento, CA – Chapter 43
Christoffer Roa, Luxerne, PA – Chapter 2
Heidi Roa, Luxerne, PA – Chapter 2
Mark Watson, San Antonio, TX – Chapter 69
Seth Weinman, New York, NY – Chapter 15
Arthur Wilelly, Benton, WA – Chapter 16

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Edwin Allen, Ill, Sarasota, FL – Chapter 39
Francis Bobro, Jr., Scenirey Hill, PA – Chapter 20

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Seth Binderup, Los Angeles, CA
Robert Connelly, Cullowitch, NC
Matt Herz, Centennial, CO
Mike Morrissey, Centennial, CO
John Mothershed, Tucson, AZ
Frazr Oroco, Los Angeles, CA

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Aron Cernochack
Santina Giordano
Seolwoon Kim
Deeza Lee
Fred Lopez
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Michael Ross
Mark Smith

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John Los Memphis, NY
Stephen Riley, Hillisboro, OR
Stephen Smith, Vancouver, WA
Rayane Turner, Turnville, KY
Stephen Wade, Moreno Valley, CA
Caitlin Weston, Washington, DC

**RECERTIFICATION**

The following applicants completed the recertification process either by re-examination, point verification through the local chapters and national Certification Committee approval and/or met the service requirement.

**CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®)**

Stephen Bauder, Boyceville, WI – Chapter 112
Kevin Lea, Baseball, VI – Chapter 46
Philip Mowbray, Grand Junction, CO – Chapter 81
Carlos Sanchez, Miramar, FL – Chapter 53
Ronald Vincent, Sr., Parkers, CO – Chapter 88
Timothy Wright, Maywood, IL – Chapter 26

**CERTIFIED PROFESSIONAL BROADCAST ENGINEER® (CPBE®) (8-YSB SPECIALIST) (8-YSB) AM DIRECTIONAL SPECIALIST (AMD)**

Paul Christensen, Jacksonville, FL – Chapter 7

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Randall Kerhey, Beckley, WV – Chapter 116
Timothy Mcguire, Archer, FL – Chapter 7

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Kevin Johnson, Hoffman Estates, IL – Chapter 26
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Timothy Wylie, Carmichael, CA – Chapter 43

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Donald Dobbs, Keller, TX – Chapter 67
Michael Flynn, Lake Mary, FL – Chapter 42
Patrick Jones, Orlando, FL – Chapter 42
Myles Knowles, Jillel, HI – Chapter 63
Glenn Rose, Raleigh, NC – Chapter 93
Ramarro Sizzler, Orlando, FL – Chapter 42
Reed Wilson, Benbrook, TX – Chapter 67

**CERTIFIED DIGITAL RADIO BROADCAST SPECIALIST (DRB)**

Ralph Brancato, Jr., St. Louis, MO – Chapter 55

**CERTIFIED AUDIO VIDEO ENGINEER® (CAEV)**

Mike Curran, San Diego, CA – Chapter 36

**CERTIFIED AUDIO ENGINEER® (CEA®)**

Jeff Smith, Monroe Township, NJ – Chapter 15

**CERTIFIED VIDEO ENGINEER® (CEV®)**

Crystal Livingston, Mansfield, TX – Chapter 67
Thomas Matthias, Green Bay, WI – Chapter 80

**CERTIFIED BROADCAST NETWORKING TECHNOLOGIST® (CBNT®)**

Paul Christensen, Jacksonville, FL – Chapter 7
William Cygre, National City, CA – Chapter 36
Robert Davison, Menifee, CA – Chapter 131
James Scholler, Denver, CO – Chapter 48
Glenn Williams, Belton, MO – Chapter 59

**CERTIFIED BROADCAST TECHNOLOGIST® (CBT)**

Richard Barton, Heleos, TX – Chapter 69
Matthew Booher, Cincinnati, OH – Chapter 53
Theresa Boom, Pleasant Hill, CA – Chapter 49
Timothy Chapman, Buchanan, MI – Chapter 30
Nathan Cherok, St. Paul, MN – Chapter 17
Rick Congleton, Clayton, NC – Chapter 93
Algarmon Crowler, Jr., Laurel, MD – Chapter 132
Latham Hammer, Raleigh, NC – Chapter 93
Curtis Harper, Benton, KY – Chapter 35
William Hudson, San Carlos, CA – Chapter 45
John Loretz, E. Chatham, NY – Chapter 15
James Malone, Jefferson City, MO – Chapter 43
Stephen Marshall, Orlando, FL – Chapter 42

**CERTIFIED TELEVISION OPERATOR® (CTO®)**

Kelly Carter, Tallmadge, OH
Glenn Davidson, Bloomfield, NJ
Victor Fitz, Wichita, KS
Mark Flymaker, Topkia, OK
David Jackson, Conroe, TX
Dennis Lamb, Lima, OH
Shawn Liddel, Columbus, OH
Derek Maxwell, Nework, OH
Steven Olinghouse, Oklahoma City, OK
Victoria Rymer, Aurora, CO
Londa Thorps, Kissimee, FL

**CERTIFIED BROADCAST OPERATOR® (CRO®)**

John Jordan, Rocky Mount, NC
Recipients of the SBE Broadcast Engineer of the Year Award are recognized for making significant contributions to the field of broadcast engineering and for furthering the goals and objectives of the Society. They must be members of the Society and are nominated by their peers.

The 2008-09 SBE Educator of the Year Award will be presented to Fred Baumgartner, CPBE, CBNT. Baumgartner has served as the program organizer for more than 20 regional Ennes Workshops over the past seven years. He also served as the on-site moderator for most of the workshops.

Baumgartner has continuously contributed his time, expertise and knowledge of the industry to organize quality programs as well as his own time to travel to the programs to serve as moderator.

Baumgartner has been a Trustee of the Ennes Educational Foundation Trust for many years.

He has also rendered a long and valuable service to the SBE on both the local and national level and has written over 100 technical articles. Baumgartner co-authored the original SBE Television Certification Handbook, which has sold over 7,000 copies and he wrote the first SBE Certification Exam for television Master Control operators. And, in 1998, Baumgartner wrote the SBE Guide to Writing Broadcast Station Operations Manuals.

The award for Best Technical Article, Book or Program by a SBE Member goes to Tim Anderson, CSRE, DRB, CBNT for his article, “Considerations of Elevated IBOC Sidebands, Insight to IBOC” which appeared in Radio magazine in its August 2008 issue.

Local chapters have also earned awards based on their own achievements. Some categories recognize two chapters, based on their size. Class A represents those chapters whose membership is less than the national median while Class B are those chapters that have membership greater than the national median.

Our thanks to the SBE National Awards Committee.

AWARDS from page 1
00-258, ET-Docket 02-55, and ET Docket 04-356.

AM Antenna Computer Modeling Course
Matching Networks and Phasing Course
FM Transmission Systems Course
Voice Telco Networks & Studio Interface Systems Course
8-VSB Course
MORE TO COME!

Best Chapter Website: Chapter 59 – Kansas City, Kansas
Best Regional Conference: Chapter 22 – Syracuse, NY
Best Chapter Newsletter: Chapter 24 – Madison, Wis.

STATISTICAL AWARDS
By class (A= 46 or fewer members, B= 47 or more members)

Most Certified
A) Chapter 117, Moscow, ID
B) Chapter 131 Inland Empire

Greatest Percentage Growth
A) Chapter 139, Reno, NV
B) Chapter 17, Minneapolis, MN

Highest Member Attendance Percentage
A) Chapter 136, Rio Grande
B) Chapter 56, Tulsa, OK

Our thanks to the SBE National Awards Committee.
the membership was July 13.

The official ballot was sent via USPS First Class mail on July 27th to all voting members of SBE. That includes Regular, Senior and Fellow members and the voting member representative of each of SBE’s Sustaining Member companies.

You are encouraged to take the time to review the descriptions and opinions of the candidates, make your selections and return the ballot to the SBE National Office so that it arrives no later than Thursday, August 27. Use the special election return envelope provided. Allow at least five business days for your ballot to reach the National Office. Allow two weeks if you are outside the United States. Please mail early. Each year a number of ballots arrive after the election is over and consequently cannot be included in the tabulation.

The ballots will be tabulated the night of August 27th by the official Board of Tellers consisting of members of Chapter 25 in Indianapolis and central Indiana.

Candidates will be notified the following day of the results. Those elected will take office following an induction ceremony held during the SBE National Meeting on October 7, in Verona, N.Y. The National Meeting is being held in conjunction with the Broadcast & Technology Expo, sponsored by Chapter 22 of Central New York State.

Information about each candidate and their responses to questions about the Society will be included in the official ballot packet. If you don’t receive a ballot by August 5, please contact Holly Essex at the National Office at (317) 846-9000 or hessex@sbe.org.
Chapter 22 will host National Meeting at Turning Stone Resort and Casino

The 2009 National Meeting of the Society of Broadcast Engineers will be held at the Turning Stone Resort and Casino, located in Verona, N.Y. and will be hosted by Chapter 22 of Central New York State. The National Meeting is being held in conjunction with Chapter 22’s 37th annual Broadcast & Technology Expo. The dates are October 6-7.

The Broadcast & Technology Expo is a two-day event that includes the largest broadcast equipment show in the northeast and broadcast technology workshops. Chapter 22 and SBE National invite any and all SBE members and others interested in broadcast technology to attend. All activities will be held at the Turning Stone Resort.

The schedule for the National Meeting begins on Tuesday, October 6 with a meeting of the SBE Certification Committee from 2:00 pm to 4:00 pm. The regular fall meeting of the SBE national Board of Directors will be held beginning at 6:00 pm and will run until about 10:00 pm.

National activities on Wednesday, October 7 include the annual SBE Fellows Breakfast, from 8:00 am to 9:00 am. All SBE Fellows are invited to attend and will be guests of the SBE. SBE National officers and the Chapter 22 chairman and convention chairman are also invited. A special invitation will go to this group in late August and reservations are required.

A special focus group will meet at 9:30 am for one hour to discuss how to attract those who work in station I.T. positions to membership in the SBE. I.T. people interested in participating in the focus group are asked to contact John Poray at the SBE National Office, (317) 846-9000 or jporay@sbe.org.

The third annual National SBE Webcast will be held beginning at 2:00 pm from the Events Center arena of the Turning Stone Resort and Casino. This program, scheduled to last approximately one hour, will be streamed to the Internet so all members will have a chance to participate. A portion of the program will be devoted to questions from viewers posed to the SBE national leadership. Other portions of the program will include live remotes from the trade show floor. (see page 3).

The SBE Annual Membership Meeting will be held from 4:00 pm to 5:00 pm and will include the introduction of the SBE Membership Drive Grand Prize winner, Steve Pietras of Toledo, Ohio and the induction of the new national officers and directors who will serve on the Board of Directors.

SBE National will join in with Chapter 22’s big post-exhibits reception from 5:00 pm to 6:30pm. The reception will include hors doerves and the Tommy Bridges Band.

The finale of the National Meeting will be the SBE National Awards Dinner from 6:30 pm to 8:45 pm. The dinner program will include a special guest speaker, the presentation of the SBE Broadcast Engineer of the Year Award to Craig Strom, Assistant Director of Engineering at WLS-TV in Chicago and the SBE Educator of the Year Award to Fred Baumgartner, CPBE, CBNT, of Elizabeth, Colo. at qualitative Flo-TV. Two members will be recognized with the highest membership rank awarded by the SBE, the SBE Fellow; John Heimerl, CPBE of Suffolk, Va., chief enterprise officer for the Hampton Roads Education Telecommunications Association, Inc. and Christopher Scherer, CPBE, CBNT of Overland Park, Kan., editor of Radio magazine.

Chapters and individual members will also be recognized during the dinner for best technical article, best chapter newsletter, website, regional conference, most certified chapter and chapters with the greatest percentage growth and highest average member attendance at chapter meetings.

The Chapter 22 Broadcast & Technology Expo begins Tuesday the 6th with a golf outing and dinner at one of Turning Stone’s great courses. Activities on Wednesday the 7th begin with a free continental breakfast. Exhibits open at 8:30 am and will feature the latest in broadcast, electronic media production, electronic presentation and communication technology; displayed by over 100 exhibitors within the 29,000 square foot...
Anthony Guerra, CSRE, CBNT, CBT
Senior Broadcast Engineer, Rogers Media Broadcasting Limited
Toronto, Ontario, Canada
Joined SBE in 1999

**Involvement with SBE:** I enjoy the opportunity to take exams and other courses/seminars has been beneficial to my career.

**Pictured here:** Taking a breather and enjoying the view after assembling a directional antenna to receive our backup FM transmitter site.

**Job Satisfaction:** I get to play with toys, and it is a different toy everyday. My father always said, “Do what you love, and you’ll never work a day in your life.”

**Getting Started:** A co-op position with Rogers when I was in college got me interested in broadcast engineering. I wanted in, and never looked back. I finished my final exam on a Friday, and was lucky enough to be at work on Monday morning.

**When I’m not working:** Away from work, my kids keep my wife and me smiling! I enjoy AV editing and production at home, and still hop onto my drumkit when time and kids allow.

---

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CERTIFICATION from page 8

on the program. Those members with new certifications are mentioned and congratulated for their efforts. Any classes starting in the next month are mentioned and members seeking a certification are able to request a class if one is not scheduled. If three or four students show an interest, a class will be formed up for the next cycle.

All of this preparation leads to the all important test day. It is important to set the test taker up for success with a well furnished library of current reference material as published by the SBE with each exam cycle. Chapter 131 holds a morning and afternoon session to best accommodate the 24-hour work schedule of broadcasters.

The formula is simple, by stressing the importance of certification and education, and assisting the engineer as much as possible, qualified candidates are able to successfully meet the program objectives. By investing in the employee’s education, a facility gets a better trained employee. Better trained operators and engineers are more productive and have more successful careers.

Paul is a retired US Navy Master Chief Petty Officer currently working for the American Forces Network Broadcast Center as a project engineer helping to provide radio and television programming to the best (armed) customers in the world, the US military and DoD civilians, in 166 countries around the world and to the ships at sea.

Note from the Certification Director: We would love to hear from you. What do you do at your chapter to promote SBE certification? E-mail me at mclappe@sbe.org

SBE Certification 2009-10 Exam Schedule

<table>
<thead>
<tr>
<th>Dates</th>
<th>Location</th>
<th>Application Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 7-17, 2009</td>
<td>Local Chapters</td>
<td>CLOSED</td>
</tr>
<tr>
<td>November 6-16, 2009</td>
<td>Local Chapters</td>
<td>September 18, 2009</td>
</tr>
<tr>
<td>February 5-15, 2010</td>
<td>Local Chapters</td>
<td>December 31, 2009</td>
</tr>
<tr>
<td>April 13, 2010</td>
<td>Local Chapters</td>
<td>March 26, 2010</td>
</tr>
<tr>
<td>June 4-14, 2010</td>
<td>NAB</td>
<td>April 16, 2010</td>
</tr>
<tr>
<td>August 6-16, 2010</td>
<td>Local Chapters</td>
<td>June 4, 2010</td>
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<tr>
<td>November 5-15, 2010</td>
<td>Local Chapters</td>
<td>September 17, 2010</td>
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</tbody>
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The Society of Broadcast Engineers would like to welcome its newest members to the organization:

**New Members**

Nick R. Aslan - Tamarac, FL  
Gary E. Becknell - Chesapeake, VA  
Joseph DiFrisco - Patterson, NY  
Steven D. Fisher - Longview, WA  
Matt Howey - Hazleton, PA  
Jim Laniewski - Sweet Valley, PA  
Robert P. Lenc - Grand Junction, CO  
Thomas L. Miller - Fort Bragg, NC  
Edward P. Stofferahn - Zimmerman, MN  
Stephen Wade - Moreno Valley, CA  
Dale A. Daley - Saint Cloud, MN  
Brian A. Marshall - Hyde Park, VT  
Bryant C. Mothershed - Tucson, AZ  
Christopher O. Anderson - San Antonio, TX  
John C. McWilliams - Meadville, PA  
Paul M. Ford - Portsmouth, VA  
Florentin Polmolea - Santa Maria, CA  
Kevin Rafferty - South Bend, IN  
Aaron Read - Geneva, NY  
Gerhard Straub - La Plata, MD  
Stephen P. Wong - Tsing Yi, Hong Kong  
Syed S. Adil - Karachi, Pakistan  
Bilal Hasan - Karachi, Pakistan  
Jonathan H. Hines - Winona, MN  
Kevin P. Kaminski - Bronx, NY  
Michael Kruse - Charleston, WV  
Michael L. Guidotti - Bear, DE  
Dave C. Hassell - San Diego, CA  
William G. Mangum - Harpswell, ME  
Michael T. McMahon - Goodlettsville, TN  
Michael L. Stockwell - San Jose, CA  
James J. Taylor - Herndon, VA  
Jeff T. Crews - Lake Wales, FL  
Brandon Graham - Largo, FL  
Curtis Kirk - Tyler, TX  
Leo Velazquez - Chicago, IL  
Ed Walden - Mt. Laurel, NJ  
Andrew M. Bloustein - Chicago, IL  
Dennis J. Christensen - Keller, TX  
Gregory H. Glaser - Los Angeles, CA  
Steven Pingelski - Cohoes, NY  
Andy Singer - Tewksbury, MA  
Asa F. Sourdiffe - Colchester, VT  
Thomas Row - Boise, ID  
Katy Templeman-Holmes - Los Angeles, CA  
Leung Wai Kei - Tsuen Wan, Hong Kong  
Matthew Dombard - Huntingdon Valley, PA  
Dimitar Mateev - Plovdiv, Bulgaria  
Lex Robison - Merrillville, IN  
Frank Roccisano - Kings Park, NY  
Chris Williams - Sarasota, FL  
Chris Neuman - Agua Dolce, CA  
James E. Allen - Austin, TX  
Zachary S. Kaufman - Hutchinson, KS  
Joshua M. Wyatt - Ft. Bragg, NC

**New Student Members**

Flosi Bjarnason - Calgary, Alberta, Canada  
Marc Cyr - Calgary, Alberta, Canada  
Louis DeNomme - Edmonton, Alberta, Canada  
Brock A. Huska - Calgary, Alberta, Canada  
Shawn B. Nichol - Calgary, Alberta, Canada  
Romika Prasad - Calgary, Alberta, Canada  
Victor Quintero - Calgary, Alberta, Canada  
Schyler L. Wood - Franklin, IN  
Jarid A. Carmony - San Antonio, TX  
Michael A. Jones - San Antonio, TX  
Michael C. Calpo - Fairfield, CA  
Danielle Lawrence - Silver Spring, MD  
Adam T. Bobay - Mason, OH  
Rafael A. Figueroa - Dorchester, MA  
Abigail Carter - Kent, OH  
Richard E. Lewis - Bel Air, MD

**New Associate Members**

Poon Man Lai Carrie - Shatin, Hong Kong  
Sid Guel - San Antonio, TX

**Reinstated Members**

Samuel A. Wallington - Antelope, CA  
Edward P. Didier - Ft. Wayne, IN  
Arthur A. Garcia - Huntington Park, CA  
Chon C. Gammill - Grand Prairie, TX  
Timothy J. Annett - Topeka, KS  
Hong K. Yi - APO, AE  
Christopher W. Johnson - Clanton, AL  
Michael A. Stark - Albuquerque, NM  
David G. Meadows - San Diego, CA  
Ray H. Lufkin - Clearwater, FL  
Philip A. Muller - Houston, TX  
Billy R. Volek - Sioux Falls, SD  
Robert D. Butler - Dallas, TX  
David C. Ostmo - San Antonio, TX  
Darrell G. Vick - Summerville, SC
Record chapter rebates
--- a challenge to other chapters?

BY John L. Poray, CAE
SBE Executive Director

ack on June 1st of this year, the SBE National Office mailed rebate checks to 77 qualifying SBE chapters. A total of $38,363.80 will be shared by these chapters; money used to support chapter activities. This is the greatest rebate dollar amount ever distributed and reflects the particularly strong year that 2008 was for broadcast engineers joining the SBE.

During 2008, a total of 880 new, reinstated or former members joined the Society. Of that total, 529 were first time members, 150 were reinstated (had not paid their dues on time but did so later in the year) and 224 were returning members (those who had been members in the past but not any time in the last year).

Understanding how the rebates are computed for each chapter provides an explanation as to why the rebate total reached an unprecedented level. Chapters that provide documentation to the National Office which confirms they have held five or more meetings in the calendar year are eligible for a rebate. That rebate is paid the following June 1. The documentation must include an account of what happened at the meeting, such as chapter business items, program/guest speaker, recognition, etc., as well as a copy of the list of people who attended the meeting.

Most chapters meet far more than five times per year so this is typically not a difficult bar to hurdle. Meeting at least five times per year does indicate that a chapter is meeting a minimum level of quality programming for the local membership.

Qualifying chapters receive an amount equal to 15% of the annual dues paid to National by Regular, Senior and Associate members of that chapter. At the current $63 annual membership dues level, that comes to $9.45 per member. Chapters also receive an additional $5.00 for each new member who joined during the year and was assigned to that chapter. The record 880 new members in 2008 pushed the rebate total to its all-time high. Chapter membership numbers as of December 31 each year are used to compute each chapter’s rebate amount.

Having 77 chapters qualify for rebates this year is an impressive number, but that still left 36 chapters that did not qualify. Some of those met five or more times but didn’t provide documentation, but most of the others did not meet five times and some of those, not at all. I would encourage the members of those chapters to use the success of the others as inspiration to get their chapters moving again.

Times are tough and the time available for many of our members has been stretched very thin. But no time is better or more important than now to provide the forum for learning, networking and fellowship that an active SBE chapter provides to its local members.

Resources designed to help create and administer quality programming are available to all chapters. The SBE Website, on the “Chapter Info” and “Chapter Administration” pages, provides a long list of program ideas to help you build your monthly program around. There are links to national board members (each chapter has a board member assigned to them to serve as their official link to the Board) and staff who can help provide ideas and suggestions about building a better chapter and administrative forms to help chapters report their meetings, attendance and annual elections. There are also links and instructions about how to properly use the SBE logo on chapter materials and a web tool kit, to help you build a chapter website. The SBE Chapter Operations Manual provides a complete description on how to organize and operate a chapter.

To those chapters who qualified for a rebate this year, our congratulations to you for providing a quality program to the local SBE members in your area! To the others who missed out this year, we hope you’ll take the challenge to build your chapter program in 2009 and be among those that qualify for a rebate on June 1, 2010.
The latest offering within the SBE University series of on-line, on-demand Web courses is now available. Voice Telco Networks and Studio Interface Systems will be of interest to those in both television and radio station settings.

Telco lines and circuits are integral parts of most broadcast installations. We use regular phone lines for talk shows and contests, we use ISDN lines for remote broadcasts and STL backup, and we use T1 lines for STL applications and business telephone service. The broadcast engineer must have a good understanding of the various types of lines and protocols in order to deal with the telephone companies. It is also helpful to understand telco terms and “lingo” so that he or she can “speak the same language” when talking with testers, installers and field repair people.

This course, written by Steve Church of Telos Systems, provides a complete overview of all these topics, giving the student a working understanding of how the signal gets from end to end, how to troubleshoot telco problems and how to properly interface broadcast equipment to the telco world.

There are eleven chapters in the course:

**Table of Contents**

1. Introduction to Voice Telco Networks and Studio Interface Systems
2. Overview
3. Analog (POTS) Telephone Service – Part 1
4. Analog (POTS) Telephone Service – Part 2
5. Digital Switched telephone Service
6. Special Services for Broadcast Stations
7. VoIP Interworking with the PSTN (Public Switched Telephone Network)
8. The Cellular Mobile Network
9. Broadcast Interfacing
10. Troubleshooting
11. Summary of Voice Telco Networks and Studio Interface Systems

There are several quiz questions prior to most of the chapters to help the student understand what the chapter covers and help them to understand how much they already know.

SBE University courses are available 24 hours a day, seven days a week and are all completed independently. They are similar to text books. You register by going to the SBE website, www.sbe.org/education/seminars and clicking on the course title. You’ll be taken to a course description page that also has a link to the registration page.

Once registered, your may come and go within the course as often as you like. The course will remember where you left off but you also have the freedom to move about the entire course at any time.

There is a special introductory price for the new Voice Telco Networks and Studio Interface Systems Course; just $59 for members of the SBE and $79 for non-members. A Certificate of Completion from the SBE is available to those completing the course. Completion of the course can also be used towards meeting SBE recertification requirements.

Other courses available in the SBE University series include:
- AM Antenna Computer Modeling
- 8-VSB
- FM Transmission Systems
- Matching Networks and Phasing

New courses will be added to the SBE University series on a regular basis.
EAS Update

BY Clay Freinwald, CPBE
SBE EAS Committee Chairman

EAS has, historically, been delegated to the engineering department. It’s no secret that changes in the world of EAS will impact us all. I will try and get you up to speed in what’s taking place and answer questions that you might have.

THE SBE ROADMAP

Since the release of the FNPRM there have been gatherings, meetings and summits to discuss what this all means. Wishing to help this process, the SBE EAS Committee, in late 2008, developed a ‘Roadmap’. (Available to all on the SBE Web Site) This document outlined a strategy to implement the Common Alerting Protocol within a next generation Emergency Alert System.

ECIG

The ‘Roadmap’ calls for a number of working groups to deal with various tasks. Sensing that manufacturers of EAS equipment could be very helpful in working on how the CAP should work with future EAS equipment, they formed a working group dubbed ECIG (Pronounced E-SIG). The ECIG created what is called an EAS-CAP Profile. This group’s work output was passed on to FEMA and, is now in the hands of OASIS, the standards setting organization. Two members of the SBE EAS Committee participated in this group. (see http://www.oasis-open.org/home/index.php)

CAP

It’s important to understand what CAP is not. CAP is not a new EAS system. CAP is a subset of the XML language to generate public warning messages for all systems and devices that transmit messages to the public. (See- http://www.incident.com/cap/what-why-how.html)

IPAWS

Broadcast EAS is just a part of a larger process leading to the integration of a number of public warning systems. IPAWS, meaning Integrated Public Alert and Warning System, is best described as a system of systems. Not only is our familiar EAS system going to be updated, but we will be joined by other systems in the role of alerting the public. I encourage you to read more about IPAWS on the Web. (See - http://www.fema.gov/emergency/ipaws/)

FEMA WORKING GROUPS

Early this year FEMA announced formation of a Practitioners Working Group (PWG). This group has a number of SBE Members, as well as members of the SBE EAS Committee who participate on a regular basis with representatives of State, Local and Tribal government entities. The PWG’s purpose is to inform FEMA IPAWS managers of technological trends, use of CAP devices etc. The PWG will also help review and validate existing requirements for the IPAWS CAP v 1.1 Profile which will feed into the standards development process . . . Bottom line – dealing with the integration of the technology being developed. The good news is that FEMA is now asking for stakeholder assistance and input. It’s worth noting that they have acknowledged that they are making use of our SBE Roadmap. Thus far this group has been meeting exclusively via teleconference. Recently FEMA indicated that in-person meetings may be called.

More recently another work group has been started. The stated purpose of this effort is to better integrate the IPAWS program and the role of industry engagement and adoption of the CAP profile with existing and up-and-coming products.

THE RECENT EAS SUMMIT

The most recent EAS Summit, held in Washington D.C. in late March, was the fifth such event sponsored by NAB and NASBA. It was, perhaps, the most productive. Participating was, for the first time, Wade Witmer, of the FEMA IPAWS office. He was joined by Walter Florence, also from FEMA, as well as Ken Moran and Tom Beers from the FCC.

One topic that dominated most conversations was the role that FEMA is to play in adopting the CAP and how that triggers the requirement that new CAP-Capable EAS equipment must be purchased. There appeared to be general agreement that this process outlined in the FNPRM, needs to be adjusted. It’s possible that there will be an official filing with the FCC to alter this process.

THE SBE-EAS SESSION AT NAB

I invited Wade Witmer from FEMA to address the annual SBE EAS meeting in Las Vegas to explain where this process is going. Accepting our invitation, Mr Witmer was greeted with a standing room-only meeting. He outlined what many believe will be a more thoughtful and constructive process. This session was recorded and is available as a podcast on the SBE Web Site.
Here are highlights from his comments:

- Future delivery of public warning messages from government to broadcasters will be via some sort of IP network using multiple servers. Just how this will be configured has yet to be determined. FEMA says they will build this national CAP service.

- Some of this will involve leased circuits, may well involve other existing systems.

- The FEMA IPAWS Vision includes State and Local connectivity

- FEMA is setting up a Conformance Lab to test new EAS Equipment

- FEMA is performing interviews and inventories of existing capabilities to be able to integrate existing CAP-based EAS Systems

- They are working on a study on RBDS to communicate during emergencies

- Witmer stated that if there is concern over the 180-day clock issue the FCC is not opposed to petitions to modify that timeline.

THE TO DO LIST –

- In the view of the SBE EAS Committee, there are a number of things that need to be resolved prior to rolling out a new EAS system -

**The CAP-to-EAS translation**

- We must work to assure that tomorrow's CAP messages are 100% compatible with today's SAME based EAS to provide seamless public warning.

**New FCC Rules**

- Broadcasters are regulated by FCC rules. Today's Part 11 will need substantial changes to incorporate the changes that are forthcoming.

**Infrastructure, Origination, and Dissemination**

- There is much work to be done to define, construct and test the systems that will connect National, State and Local sources of emergency messages to those systems that reach the public.

**Security**

- With the apparent shift to IP based systems for interconnection of sources and distributors, it's vital that new systems be secure and immune to troublemakers.

**Credentialing**

- A mechanism needs to be created that will prevent un-authorized use.

**Training**

- Training is needed, at all levels. Warning originators, EAS operators, and EAS users otherwise known as the public.

**Integration with NWS**

- As we know, the vast majority of EAS messages are related to weather. Integration, within IPAWS to include the National Weather Service and their Haz-Collect system needs to be completed.

MORE INFORMATION?

The best place to stay updated on this fast changing issue is by being a subscriber to the SBE EAS Exchange. Subscription info is on the SBE Web Site. Feel free to email me at k7cr@blarg.net with your thoughts and suggestions.

---

**SBE IRLP HAMnet now streamed**

SBE has another way for Amateur Ham Radio Operators who are members to communicate utilizing the Internet Repeater Linking Project or “IRLP” and a local Amateur radio repeater. And we have just added a new feature for the net either for hams or SBE members who may not be amateur operators. We are now STREAMING the net (and the WA2YZT repeater) online for those who can’t get on the radio thanks to WA0TKO in Denver, at http://denver-sbe-net.ham-radio-op.net. This is a great opportunity to listen in even if you are not a ham or just an interested SBE member.

Full details at www.qsl.net/ke0vh/SBEhamnet.html
The 2009 Membership Drive has come to a successful close. The SBE National Office would like to thank the members who recruited new members. All participants are winners, earning $5 off their 2010 dues for each new member they recruited (up to $25). Below is a complete list of winners drawn June 27 at the SBE Executive Committee Meeting held in Indianapolis, Ind.

2009 Prize Winners

**GRAND PRIZE:**

Steven Pietras – Toledo, OH
- Trip to the ‘09 SBE National Meeting in the Turning Stone Resort & Casino in Verona, NY
- October 6-7
- 40” Sony HDTV 1080i

**FIRST PRIZE**

Joseph Glynn – Old Forge, PA
- Panasonic Blu-Ray Player
- Courtesy of Panasonic

**SECOND PRIZE**

Paul Hunter – Camarillo, CA
- Eton E1XM AM/FM Shortwave/XM Ready Radio
- Courtesy of Westwood One

Shawn Zubrick – Rowlett, TX
- Eton E1XM AM/FM Shortwave/XM Ready Radio
- Courtesy of Westwood One

Michael Patton – Baton Rouge, LA
- Eton E1XM AM/FM Shortwave/XM Ready Radio
- Courtesy of Westwood One

James Alexander – Wildomar, CA
- Eton E1XM AM/FM Shortwave/XM Ready Radio
- Courtesy of Westwood One

**OTHER PRIZES**

Jon Morgan – St. Charles, IL
- Donated Prize
- Courtesy of Harris Corp.

John Landry – Hastings on Hudson, NY
- Pocket Size External Hard Drive
- Courtesy of Broadcast Microwave Services, Inc.

Rod Roberts – Shawnee, OK
- Closed Back Headphones
- Courtesy of Broadcast Supply Worldwide

Larry Wilkins – Prattville, AL
- Closed Back Headphones
- Courtesy of Broadcast Supply Worldwide

Michael Bach – Portland, OR
- Fleece Pullover
- Courtesy of Katrein Scala Division

Kenneth Sell – Phoenix, AZ
- Fleece Pullover
- Courtesy of Katrein Scala Division

Lewis Miller – San Antonio, TX
- STABILINE Uninterruptible Power Supply
- Courtesy of Superior Electric

Richard Pogson – Fairview, PA
Mark Persons – Brainerd, MN
Jack Davis – Sacramento, CA
Jeff Smith – Monroe Township, NJ
Douglas Alman – San Marcos, CA
Brad Bodnar – Stockbridge, GA
Daniel Slentz – Tamarac, FL
William McKee – Houston, TX
Robert Henning – Mishawaka, IN
David Brawdy – Pullman, WA
Gene Powell – Shreveport, LA
Joe Dimaggio – Wethersfield, CT
Kent Winrich – Fuquay-Varana, NC
James Boyd – Tualatin, OR
Chris Gunnufsen – Norfolk, VA
Michael Patton – Baton Rouge, LA
Michael Brown – Portland, OR
Jeffrey Koscho – Clinton, MD
Jerry Shorter – Menifee, CA
Kenneth Stiver – Amherst, NY
Jim Krueger – Quincy, IL
Frederick Sperry – Madison, WI
Ken Benner – Tucson, AZ
Marlon Baskerville – Portsmouth, VA
Harold Schardin – Forestlake, MN
- Adjustment Tweaking Tools
- Courtesy of Continental Electronics

SBE would like to thank the organizations and companies, who through the donation of prizes, helped make the 2009 Membership Drive possible.
O
ominations are still open for the SBE Lifetime Achievement Award. This award recognizes and pays tribute to individuals for their dedication, lifelong achievement and outstanding contribution to the broadcast industry. Nominees must be SBE members in good standing and have been active for 40 years or more in the broadcast engineering industry or a closely allied field that benefits broadcast engineering. Nominations must come from SBE members in good standing, and will include the endorsement of three other SBE members in good standing. Nominations for this award can be made at any time, but no more than one recipient will be named in a given year.

Awards are determined by a ¾ majority vote of the SBE Board of Directors, based upon recommendations made by the SBE Awards Committee.

Nominations should include the nominee’s city and state, career biography and a detailed written description of the nominee’s contributions. Nominations to be considered by the SBE Board of Directors at their next meeting, Oct. 7, 2009 should be submitted to the SBE National Office by September 4, 2009. For additional information, please contact Mark Simpson, CPBE, AMD, CBNT, Awards Committee Chair, at mark.simpson@citcomm.com or Megan Clappe at (317) 846-9000 or mclappe@sbe.org.

**ENNES**

**EDUCATIONAL FOUNDATION TRUST**

The Ennes Educational Foundation Trust would like to thank the following supporters for their scholarship funds contribution:

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Chapter 24, Madison, WI
Chapter 122, Youngstown, OH
Robert Sleight, Apex, NC
Tom Weber, Indianapolis, IN
Karl Lahm, Lake Villa, IL

Robert Greenberg Scholarship
Chapter 35
Chapter 24, Madison, WI
Tom Weber, Indianapolis, IN

Youth Scholarship
Chapter 35
Chapter 24, Madison, WI
Al Box, Folcroft, PA
Sam Caputa, St. Louis, MO
Tom Weber, Indianapolis, IN
Dick Pickens, Spicewood, TX
Chon Gammill, Grand Prairie, TX

Alan Lane, CSRE, AMD, DRB, has been named Engineering Manager of the CBS Radio 7 station cluster in Charlotte, NC.

Daniel Slentz accepted a new position with KERA TV/FM in Dallas/Fort Worth, Tex.

Steve Tuzeneu, CBT joined the WAY-FM Engineering Team as their Corporate Staff Engineer in Colorado Springs, Colo.

If you or someone you know moved, changed positions, or has been honored in some way in the broadcast engineering industry, submit details to Members on the Move at hessex@sbe.org or to Attn Holly Essex, 9102 North Meridian St. Suite, 150, Indianapolis, IN 46260

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Dick Pickens, Spicewood, TX
Chon Gammill, Grand Prairie, TX

Questions or comments?
Contact the SBE National Office at (317) 846-9000

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PROBLEM:
February 17, 2009

Dear Station Manager,

This is my !@#$%^" 7th letter of complaint to you about your station's AUDIO PROBLEMS email has not worked, so here is a written letter with my list AGAIN!!!

1) One minute I'm watching my favorite comedy (you know the one) and everything sounds fine. Then the next show -- one of those crime dramas -- comes on and the sound effects are blowing me out of my seat with the gun shots.

2) And even if you somehow manage to get my shows sounding right, the local news is either too loud or too soft.

3) Don't even get me started with sports--I can hear sports announcers on all the other "sports" channels but not yours

4) Most importantly, control the BLARING LOUD COMMERCIALS, no one likes these. Even granny can hear them without her hearing aid.

I know I am only a viewer and my concerns are probably not important enough to be heard, but, if you don't fix this problem, I will go and watch another channel or find it on the internet. Is that what you want me to do?

Sincerely,

Joe Schmoe

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